

CLAIMS

What is claimed is:

- 5 1. A surveillance system having wireless, portable monitoring module for use in connection with a video/image surveillance system having a remote camera, comprising:
 - a. A remote camera for collecting and transmitting digital signals represent video/images in the range of the camera;
 - b. A hub for receiving the signals;
 - c. A transmitter associated with the hub for transmitting the signals via a wireless transmission system;
 - d. A portable monitoring station associated having a receiver associated therewith and adapted for receiving the signals transmitted by the transmitter for displaying the signals as a video/image display thereat.
- 10 2. The surveillance system of claim 1, further including a plurality of cameras associated with the wireless hub, each of said cameras transmitting a unique signal to the hub and wherein the portable monitoring station is adapted for selecting any of the unique signals.
- 15 3. The surveillance system of claim 1, wherein said camera is a multicast camera adapted for generating a plurality of distinctive signals and wherein the portable monitoring station is adapted for selecting among the plurality of distinctive signals.
- 20 4. The surveillance system of claim 3, wherein the plurality of signal generated by the camera includes a QSIF signal.
- 25 5. The surveillance system of claim 3, wherein the plurality of signals generated by the camera includes an SIF signal.
- 30 6. The surveillance system of claim 3, wherein the plurality of signals generated by the camera include a JPEG or Wavelet signal.

7. The surveillance system of claim 3, wherein the plurality of signals generated by the camera include a wavelet signal.

5 8. The surveillance system of claim 1, further including a server associated with the hub.

9. The surveillance system of claim 8, wherein the server is adapted for archiving the signals.

10 10. The surveillance system of claim 9, wherein the portable module further includes a transmitter and the hub includes a receiver, whereby control signals may be sent to the server from the portable module and whereby archived signals may be sent from the server to the portable module.

15 11. The surveillance system of claim 10, wherein the transmitter and is an 802.11 type.

12. The surveillance system of claim 10, wherein the transmitter and receiver is a wireless IP type.

20 13. The surveillance system of claim 9, wherein the control signals sent by the portable module include camera control signals for controlling the camera.

14. The surveillance system of claim 13, wherein the camera control signals include a pan, tilt and zoom controls.

25 15. The surveillance system of claim 13, wherein the camera control signals include a brightness control.

16. The surveillance system of claim 13, wherein the camera control signals include a contrast control.

17. The surveillance system of claim 13, wherein the camera control signals include a focus control.

5 18. The surveillance system of claim 13, wherein the camera control signals include a hue control.

10 19. The surveillance system of claim 13 where the remote module is adapted for controlling the positioning of and focus of the camera during initial installation.

15 20. The surveillance system of claim 13, wherein the camera control signals include a encoder configuration controls.

20 21. The surveillance system of claim 1, further including a plurality of hubs associated with the camera, each hub having a transmitting zone in which the portable module will operate.

25 22. The surveillance system of claim 21, wherein the hubs are switched hubs.

25 23. The surveillance system of claim 1, wherein the camera is a multicast device and wherein there is included a unicast convertor associated with the hub for selecting and transmitting one of the selected multicast signals to the portable unit.

25 24. The surveillance system of claim 1, wherein the portable unit includes a buffer memory for receiving the transmitted signal and a video decoder for decompressing and decoding the transmitted signal in the buffer memory.

25 25. The surveillance system of claim 24, wherein the flow of information through the buffer memory is utilized to indicate signal strength of the signal transmitted from the hub to the portable module.

26. The surveillance system of claim 25, wherein the level of information in the buffer memory at any point in time indicates the strength of the signal being transmitted to the portable module on a real-time basis.

5 27. The surveillance system of claim 25, further including a visual indicator of signal strength at the portable module.

10 28. The surveillance system of claim 1, further including ancillary components in communication with the hub and the portable module.

15 29. The surveillance system of claim 28, wherein said ancillary components include a barcode reader on the portable module for transmitting barcode information to the server.

20 30. The surveillance system of claim 28, wherein said ancillary components include a magnetic strip reader on the portable module for transmitting magnetically stored information to the server.

25 31. The surveillance system of claim 7, wherein the portable module includes an access control signal generator for transmitting an access control signal to the server.

30 32. The surveillance system of claim 7, the portable module further including a camera for transmitting video/still image signals to the hub.

35 33. The surveillance system of claim 32, the camera also being adapted for transmitting the video/still image signals to an archival database.

40 34. The surveillance system of claim 32, further including additional monitoring stations and wherein the system is adapted for simultaneous viewing of the video/still image signals at said additional monitoring stations.

35. The surveillance system of claim 7, further including a notification signal generator associated with the portable module for sending a notification signal to the server.

36. The surveillance system of claim 35, wherein the notification signal includes any combination of the following notification message types:

- 5 a. Security Assist Request ;
- b. Medical Assist Request;
- c. Fire Assist Request;
- d. Intercom Request;
- 10 e. Video Intercom.

37. The surveillance system of claim 35, wherein the notification signal includes placing call to a common pager, including a description of an event.

15 38. The surveillance system of claim 35, wherein the notification signal includes placing a call to a designated telephone number and describing the event with a recorder.

39. The surveillance system of claim 35, wherein the notification signal includes placing a call to a designated telephone number and describing the event with a synthesized voice.

20 40. The surveillance system of claim 35, wherein the notification signal includes sending an e-mail message to designated recipients.

25 41. The surveillance system of claim 35, wherein the notification signal includes generating a pop-up signal on an operator console.